

**Table 3-3  
Laboratory Results for Radioisotopes  
Johnny M Uranium Mine  
Grants Legacy Mine Sites  
Grants, McKinley County, New Mexico**

Location	Description	Ac <sup>228</sup>	Bi <sup>214</sup>	Pb <sup>212</sup>	Pb <sup>214</sup>	K <sup>40</sup>	Pa <sup>234m</sup>	Ra <sup>226</sup>	Tl <sup>208</sup>	Th <sup>234</sup>	U <sup>235</sup>
Soil		pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g	pCi/g
JMBKGD-NE-31-120129	Background	1.41	2.64	1.05	2.41	16.1	5.52	2.64	0.448	2.7	0.0453
JMBKGD-NW-31-120129	Background	1.67	2.74	2.11	2.93	27.7	5.25	2.74	1.87	6.09	0.177
Background Average	Average Background Concentration	1.54	2.69	1.58	2.67	21.9	5.385	2.69	1.159	4.395	0.111
JM-54-31-120128	On-Site	1.37	<b>136</b>	1.23	<b>139</b>	25.3	<b>359</b>	<b>136</b>	0.592	<b>23.5</b>	<b>4.53</b>
JM-55-31-120128	On-Site	1.41	<b>127</b>	0.916	<b>136</b>	23.6	<b>85.6</b>	<b>127</b>	0.627	<b>85.7</b>	<b>4.26</b>
JM-65-31-120128	On-Site	0.275	<b>317</b>	<b>6.44</b>	<b>332</b>	29	<b>251</b>	<b>317</b>	0	<b>213</b>	<b>14.2</b>
JM-66-31-120128	On-Site	0.654	<b>112</b>	1.03	<b>112</b>	19.6	<b>38.4</b>	<b>112</b>	1.39	<b>25.8</b>	<b>4.69</b>
JM-70-31-120128	On-Site	1.14	<b>138</b>	2.22	<b>138</b>	20.9	<b>117</b>	<b>138</b>	0.769	<b>94.4</b>	<b>8.98</b>
JM-70-32-120128	On-Site	0.472	<b>157</b>	0.933	<b>155</b>	22.7	<b>149</b>	<b>157</b>	0.688	<b>92.8</b>	<b>6.98</b>
JM-73-31-120128	On-Site	1.71	<b>146</b>	1.8	<b>146</b>	19.3	<b>103</b>	<b>146</b>	1.14	<b>57</b>	<b>6.4</b>
JM-77-31-120128	On-Site	1.37	<b>83.8</b>	1.8	<b>84.6</b>	23.3	<b>134</b>	<b>83.8</b>	1.15	<b>113</b>	<b>6.95</b>
JM-82-31-120128	On-Site	1.08	<b>120</b>	<b>10.4</b>	<b>121</b>	23.3	<b>69.8</b>	<b>120</b>	1.98	<b>36.5</b>	<b>5.06</b>
JM-84-31-120128	On-Site	1.63	<b>13</b>	1.8	<b>13.4</b>	20.2	<b>19.8</b>	<b>13</b>	1.46	12.3	<b>0.763</b>
JM-88-31-120128	On-Site	-0.556	<b>234</b>	<b>5.67</b>	<b>242</b>	27.2	<b>207</b>	<b>234</b>	1.75	<b>193</b>	<b>14.6</b>

pCi/g: picoCuries per gram

bold and highlighted values are greater than or equal to 3x the background average concentration

negative results are achieved because the difference between the sample and lab background standard derive a negative number. This is due to lab counting error, ultimately indicating a "non detect" result.